#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau



### TO DESCRIPTION OF THE PERMANENT AND A STATE AND A STAT

(43) International Publication Date 29 January 2004 (29.01.2004)

**PCT** 

## (10) International Publication Number WO 2004/009408 A1

(51) International Patent Classification<sup>7</sup>:

\_\_\_\_

B60R 1/072

(21) International Application Number:

PCT/US2003/022196

(22) International Filing Date:

17 July 2003 (17.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/319,408

19 July 2002 (19.07.2002) US

- (71) Applicant (for all designated States except US): MAGNA DONNELLY NORTH AMERICA, L.L.C. [US/US]; 4720 44th Street S.E., Kentwood, MI 49512 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BLAKEMAN, Rex, E. [US/US]; 180 Cherry Street, Michigan Center, MI 49254 (US). RAWLINGS, Don, S. [US/US]; 7996 AJ Court, Caledonia, MI 49316 (US).
- (74) Agent: WILLIAMS, G., Thomas; MC Garry Bair PC, Suite 600, 171 Monroe Avenue N.W., Grand Rapids, MI 49503 (US).

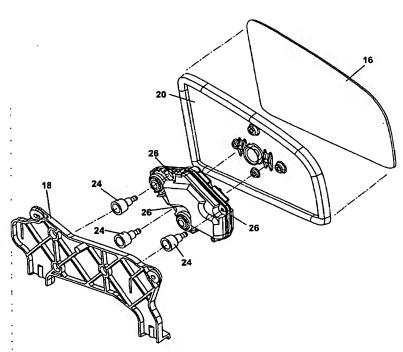
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: REAR VIEW MIRROR WITH SNAP CONNECTION



(57) Abstract: A plurality of snap-fit fasteners is used to assemble a vehicular mirror assembly, such as attaching a tilt actuator to a mounting frame or the mounting frame to a mirror housing. The fasteners comprise a resilient mounting post having a bulb portion and an adjoining undercut or neck portion with a bore extending coaxially therethrough which is received in a mating aperture in a snap fit communication.